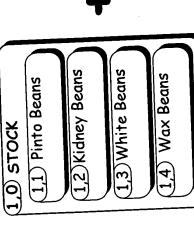


Why is a KnOS Context Application Independent?



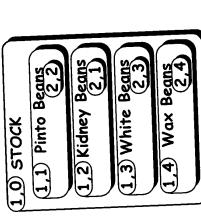
application, like adding a PRICE attribute to the A fundamental change in the STOCK relation

STOCK

+ PRICE

{Reference-Data Instance-VKSet}

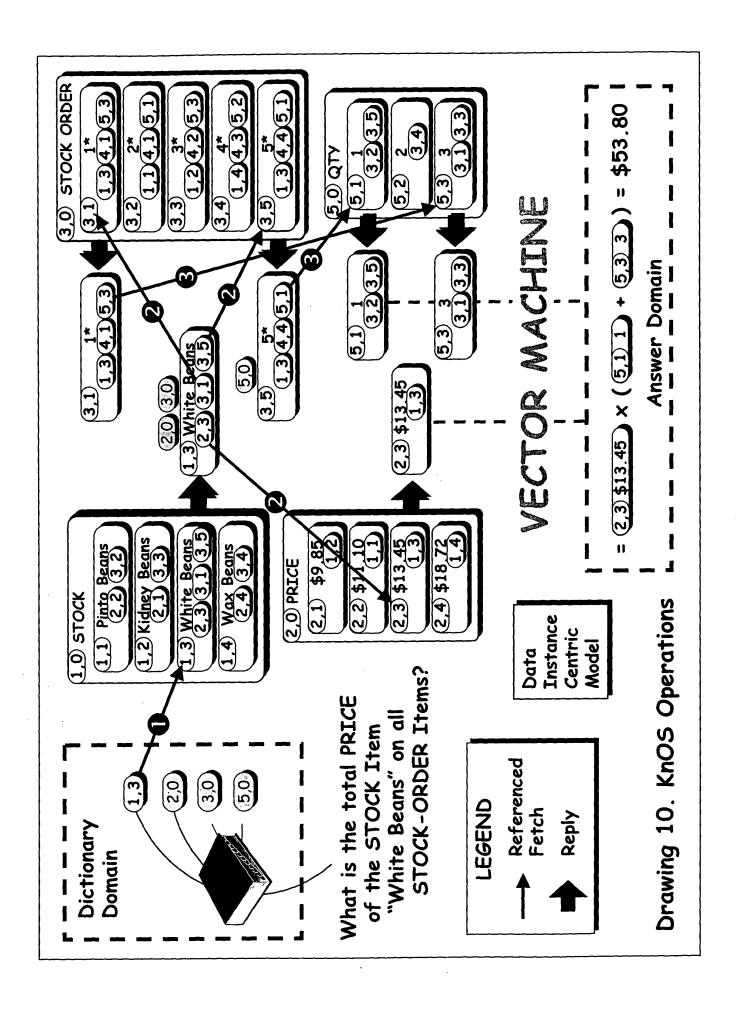
alter the structure of the STOCK Context ... does not

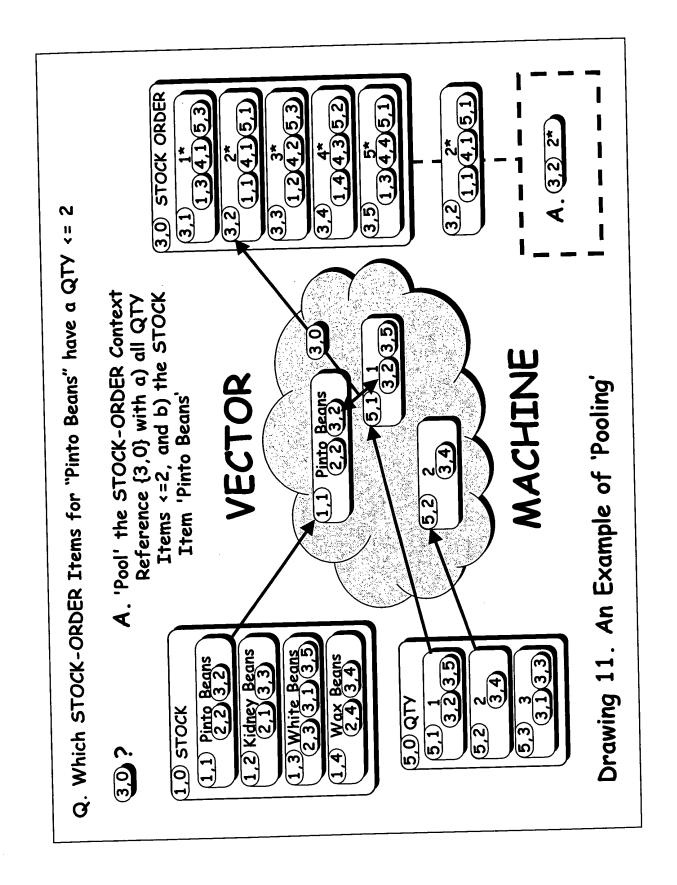


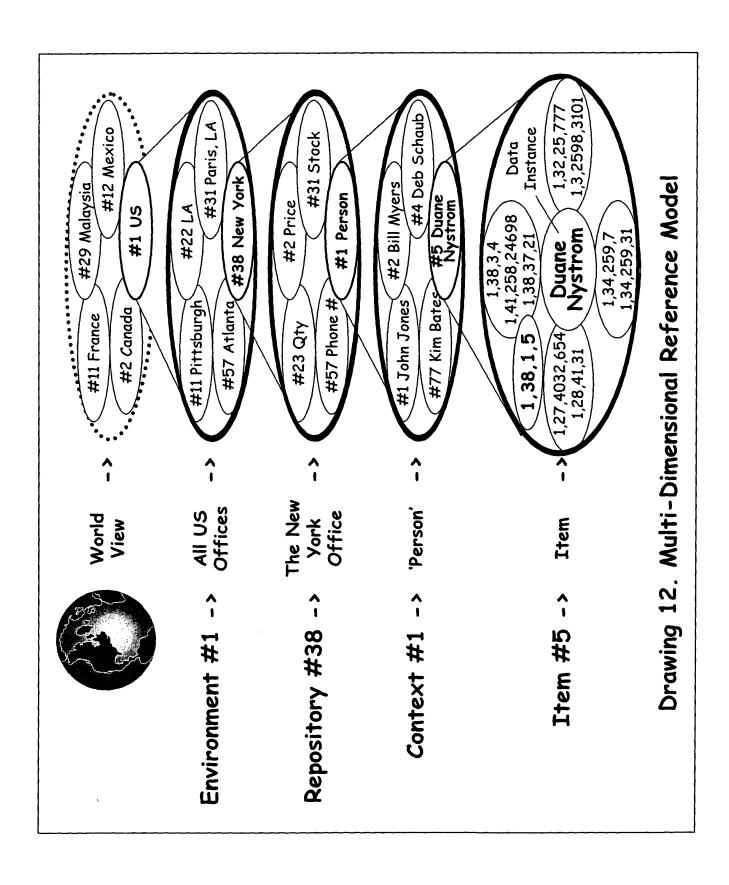
2,3 \$13,45 (1,3) 21 \$9,85 2,0 PRICE (2,2) \$11,

{Reference-Data Instance-VKSet}

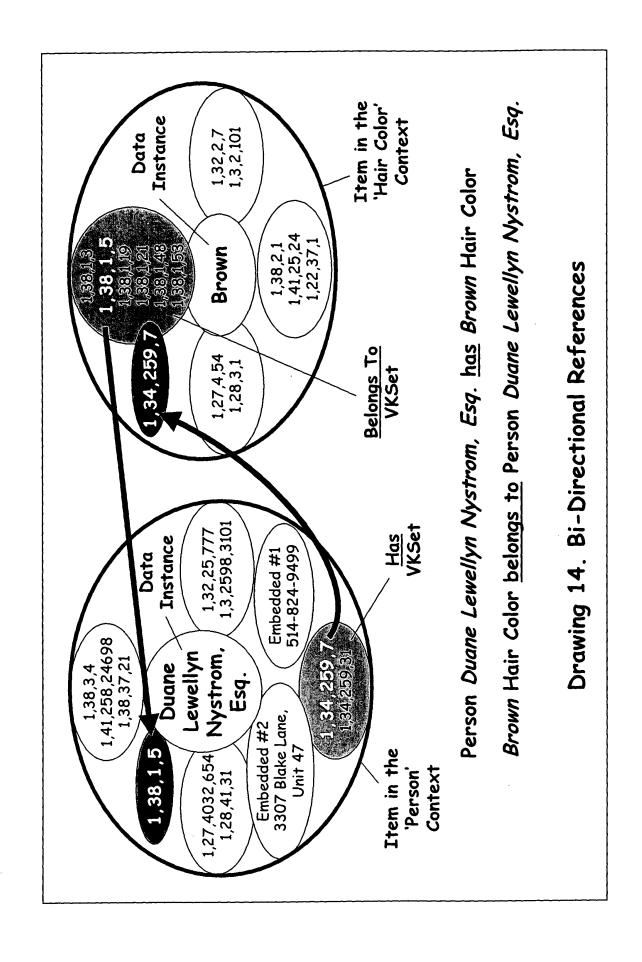
Drawing 9. Application Independence

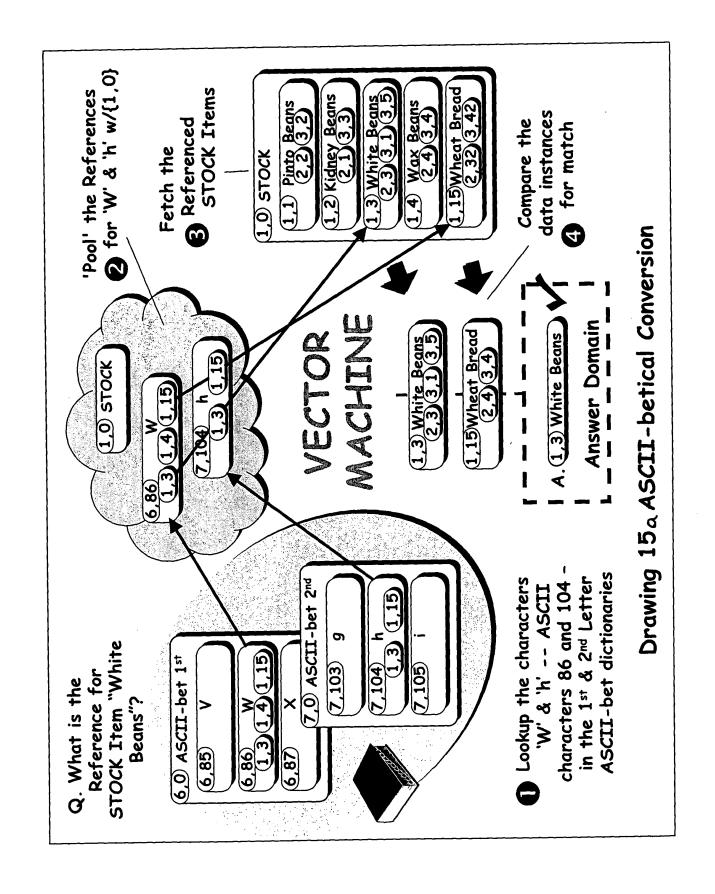


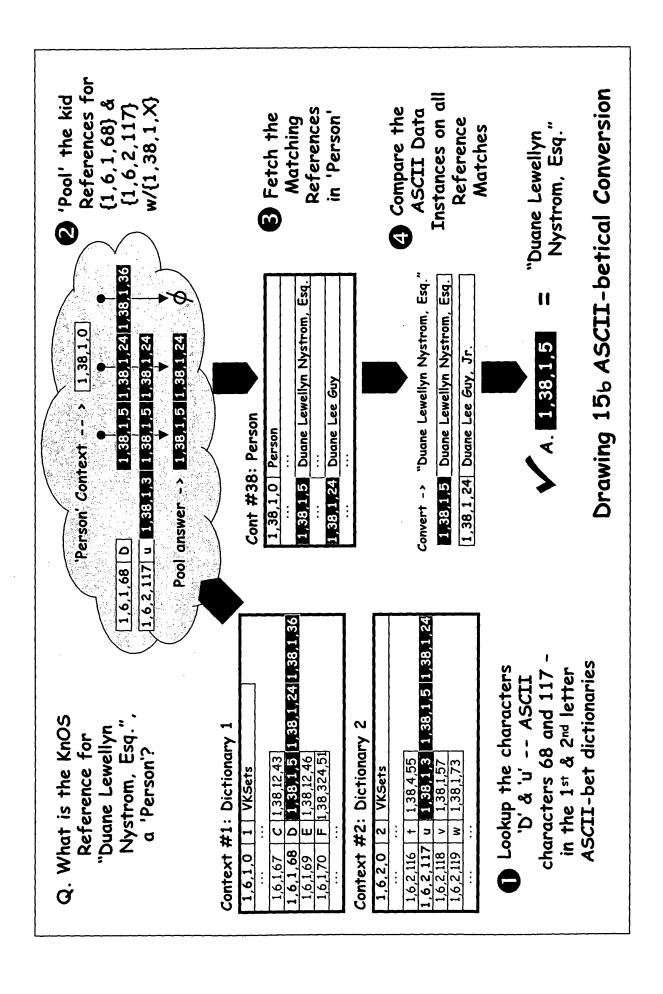


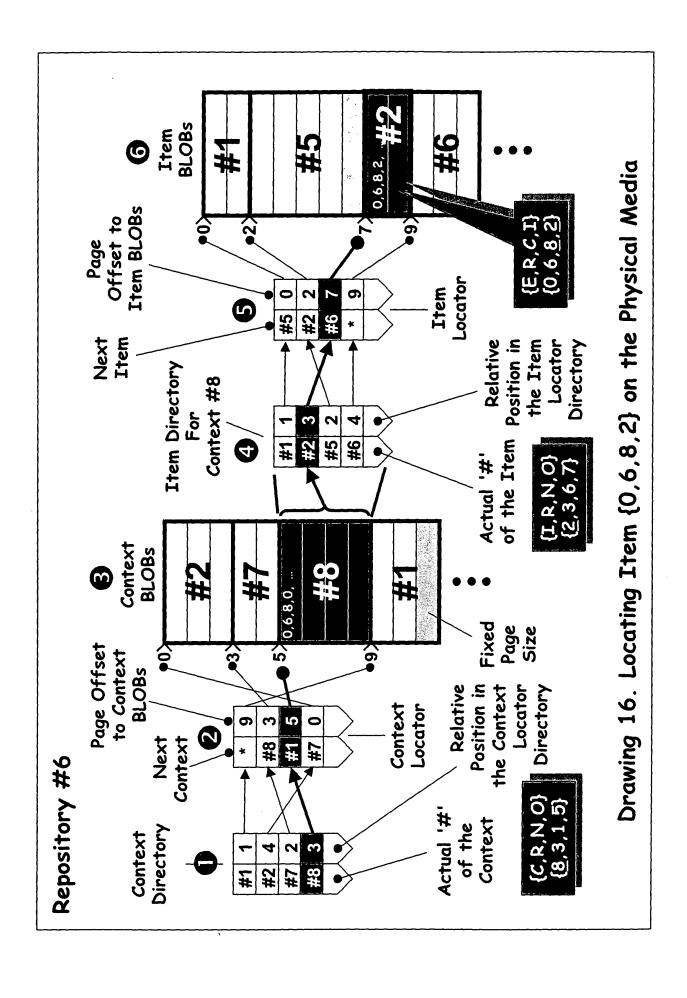


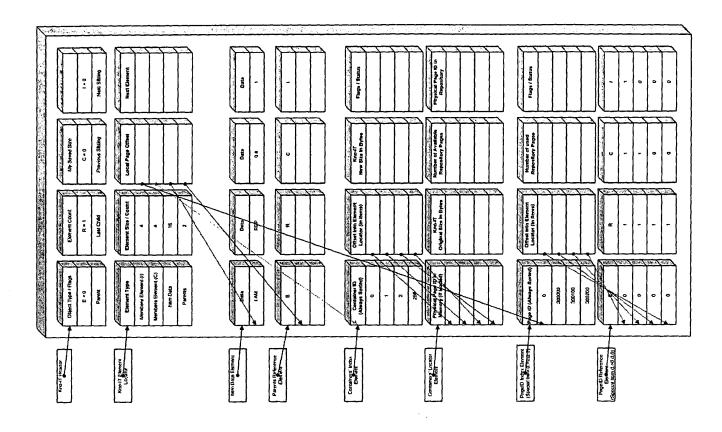
н	2	Size of Embedded = 12 wds	# of Related = 2	, Z ux		4	24698	21	7	31	654	2277	777	3101	824-		Bla 🗧	* T. 47 IV		
ပ	-	Size of Item Data = 7 wds	# of Links = 2	'well'	'Esq.'	8	258	37	259	259	4032	41	25	2598	"514F"		. <u>70</u> 88. 8	ับทา		
ď	38	Flags	# of Kids = 2	'e Le'	'om, '	38	41	38	34	34	12	28	32	3	ड्रीख़ र्जी	[5] s 4 wor	Sízze of Ez = 7 wds	one		5 Item
ш	-	Status	# of Parents = 3	'Duan'	'ystr'			1	4		1		T	I	% 5₩5	g }	,66h6.	"Kell"		f a KnO
	Self	Item Map		Item Data		Parent	Parent	Parent	Fix	PIX	l ink	, and	Polated	Polated	Embedded	[Elementis			32 bits	Structure of a KnOS Item
T+am (1 38 1 5)		Each numeric ceil is binary = 2 ³⁰ = 0 to 1,073,741,824		VKSet	1,38,3,4	1,41,258,24898		1,38,1,5 Duane	uxllomo	Notaci Mariana	1,28,41,31	·hea	Embaddad	18 Marine Comes	(1,34,259,7	1,34,259,31			Each "cell" = 1 word, 33	Drawing 13. St



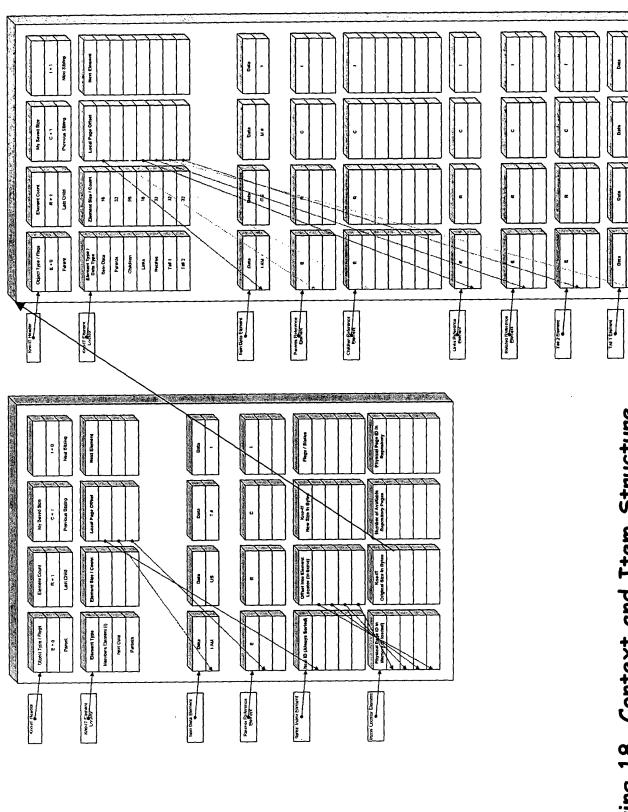




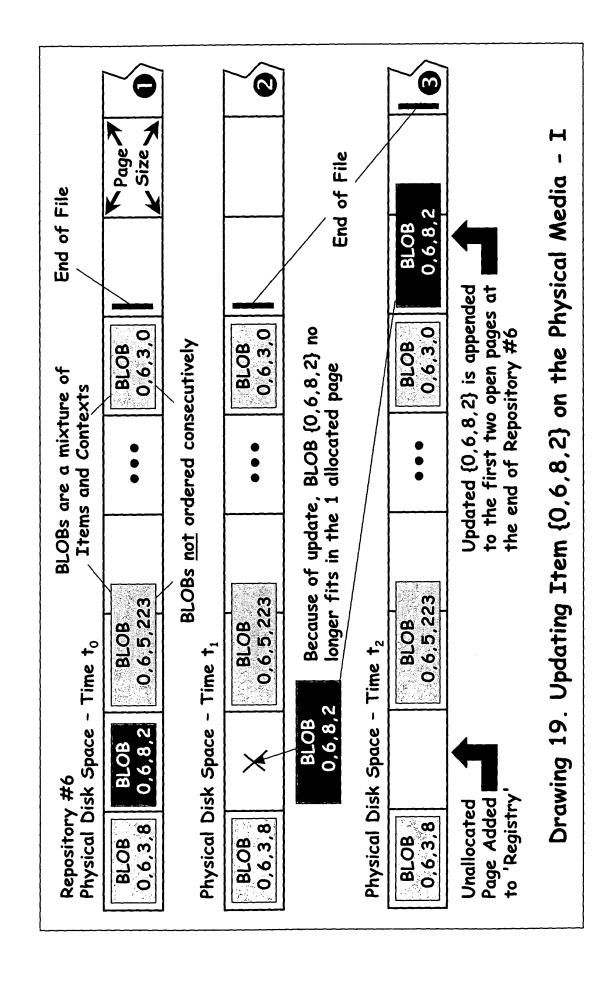


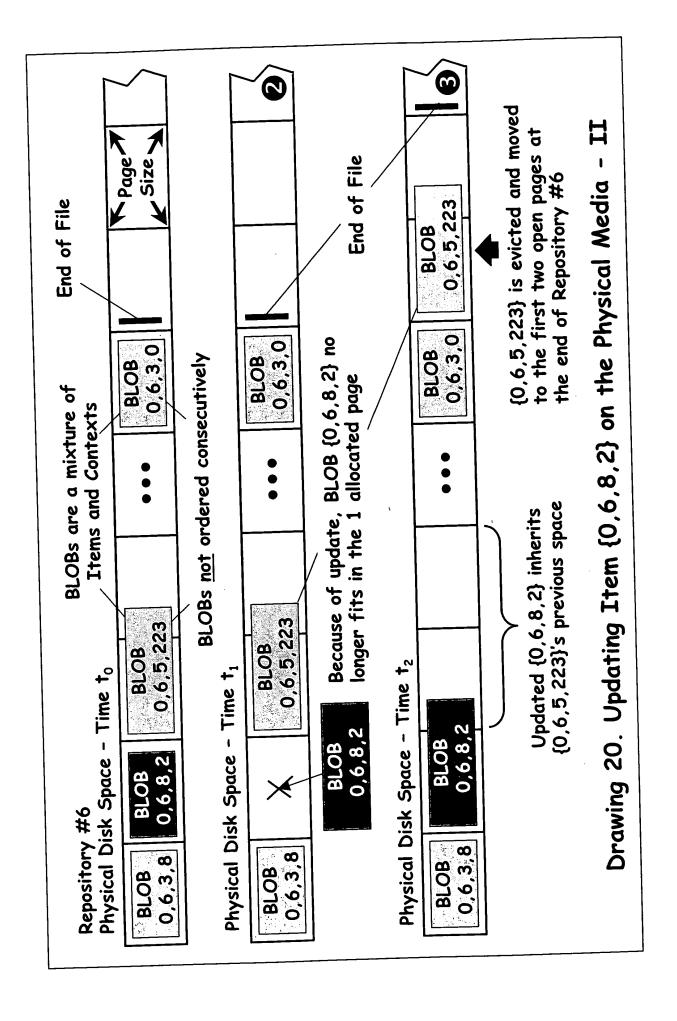


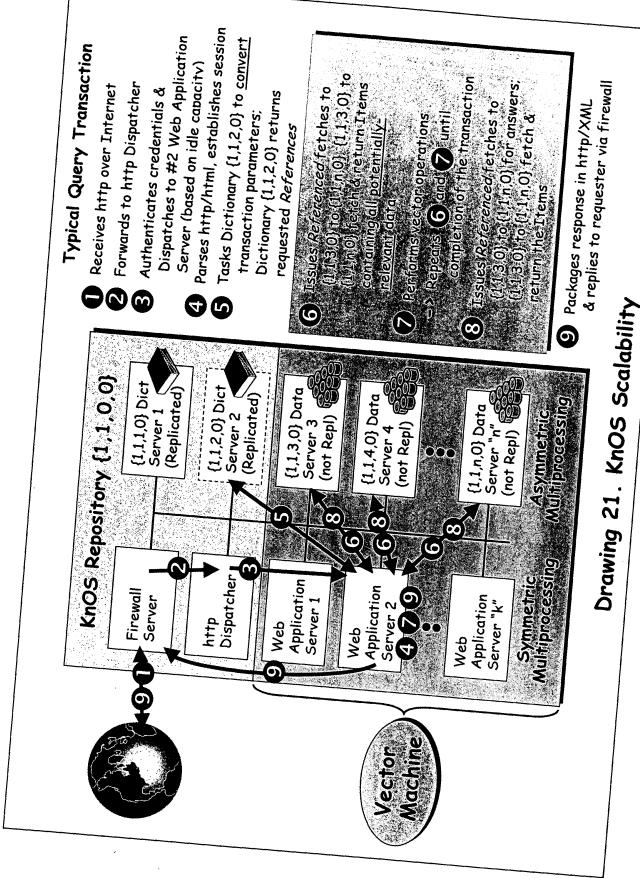
Drawing 17. Repository Structure

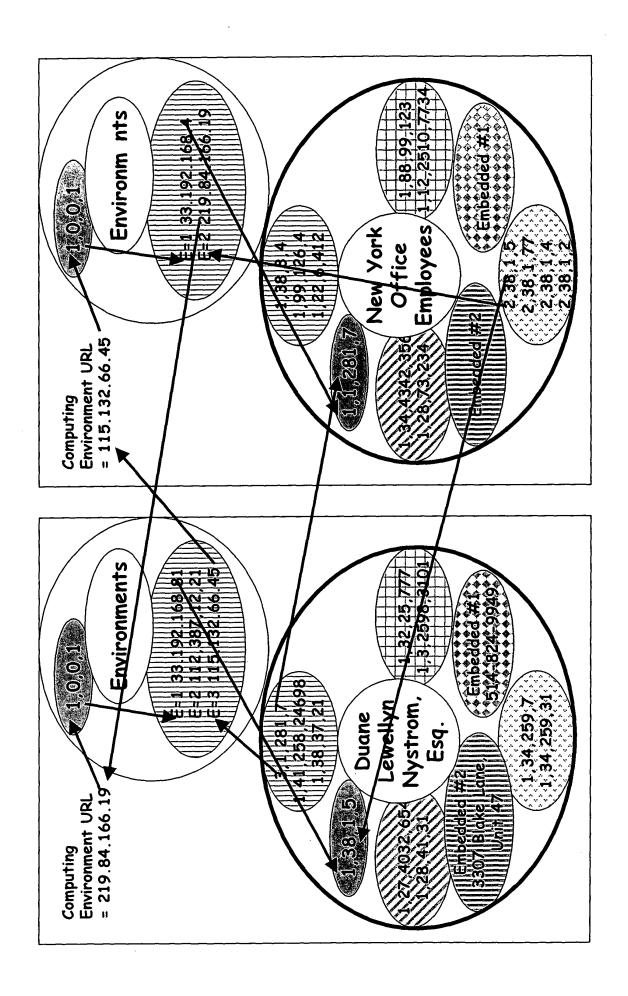


Drawing 18. Context and Item Structure

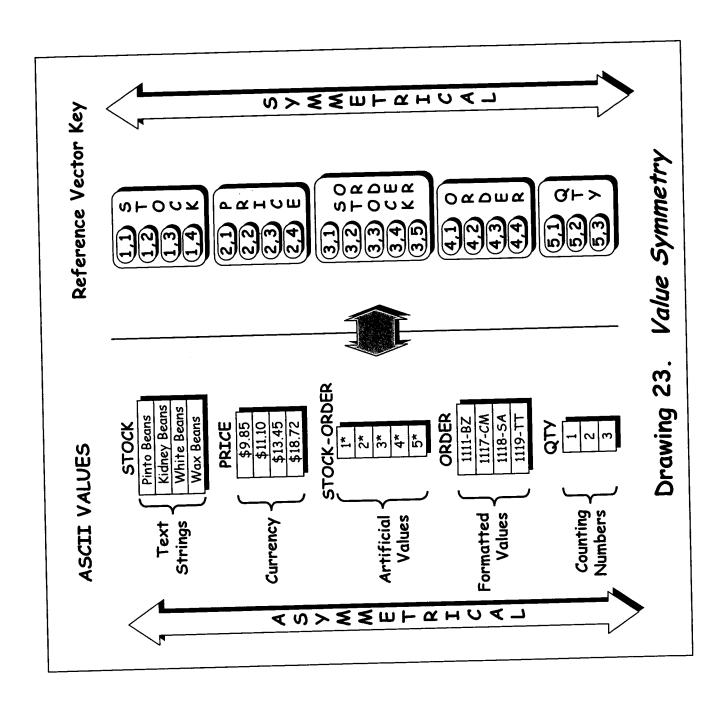


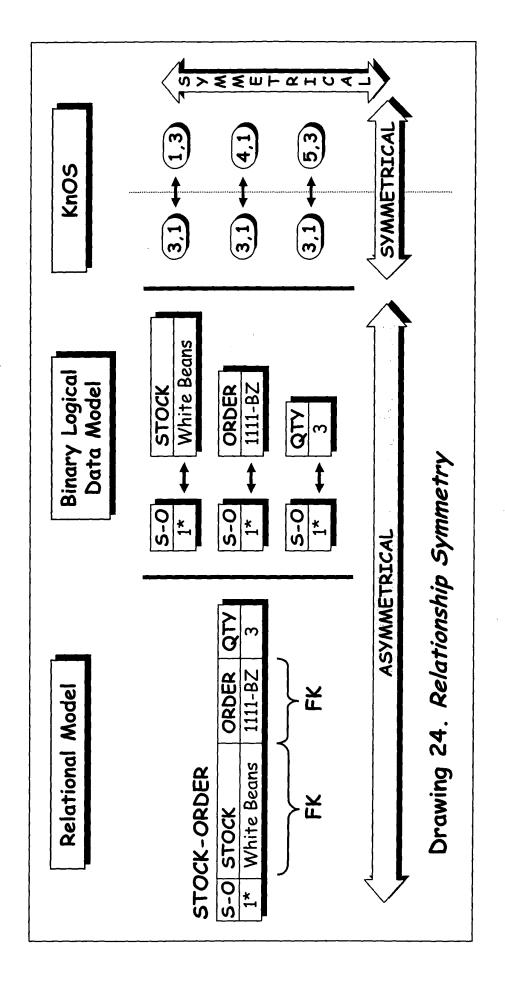


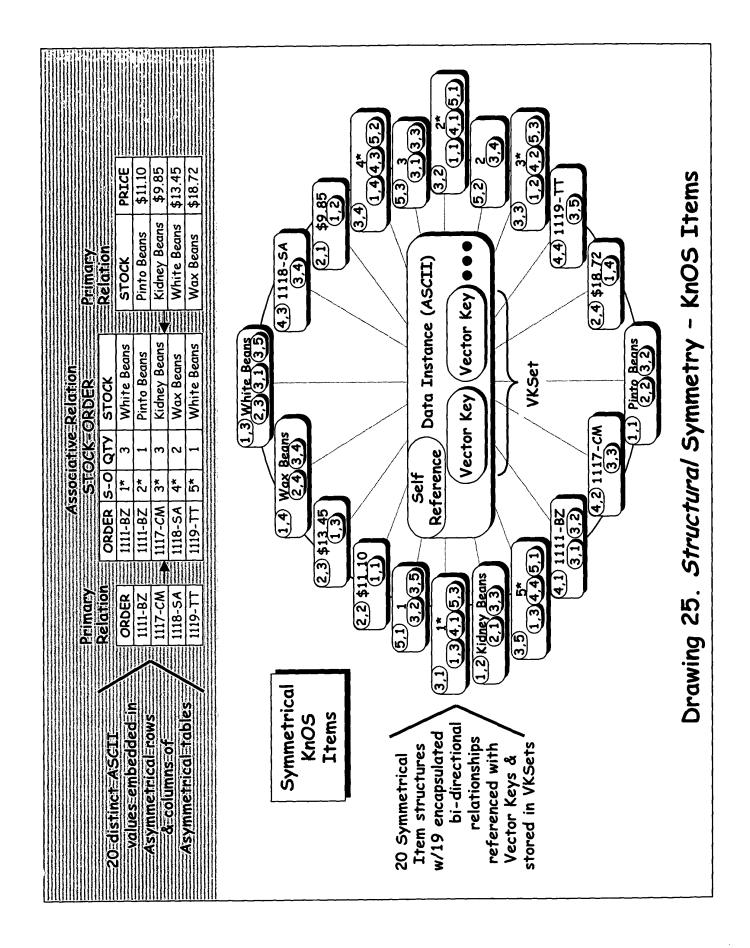


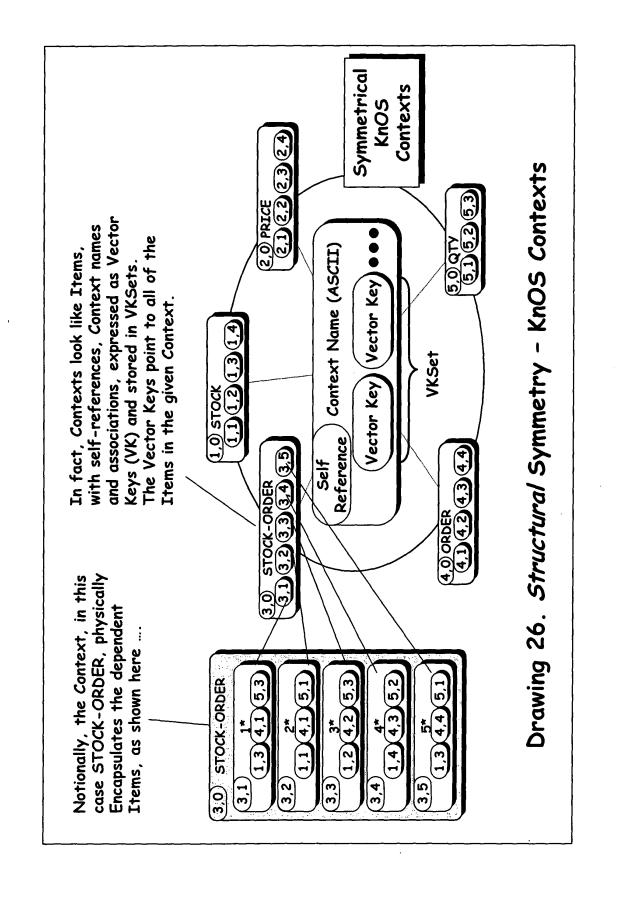


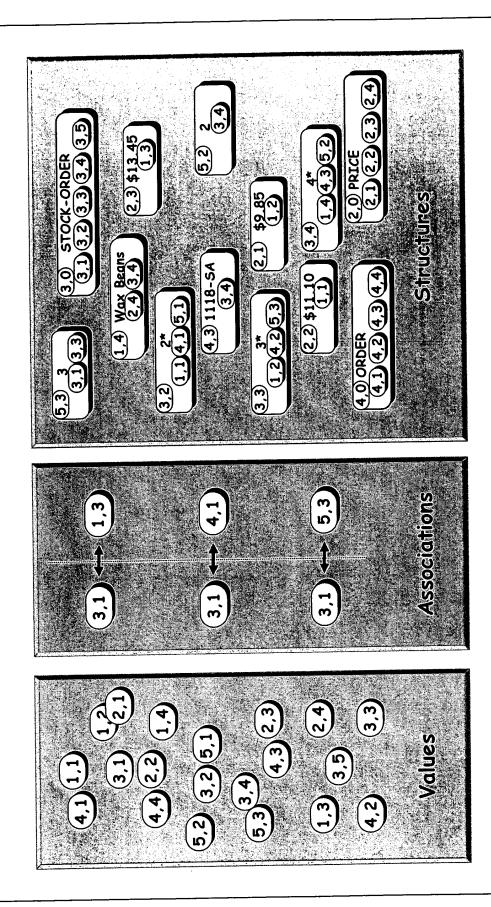
Drawing 22. Inter-Referencing between Computing Environments











Drawing 27. KnOS Symmetry

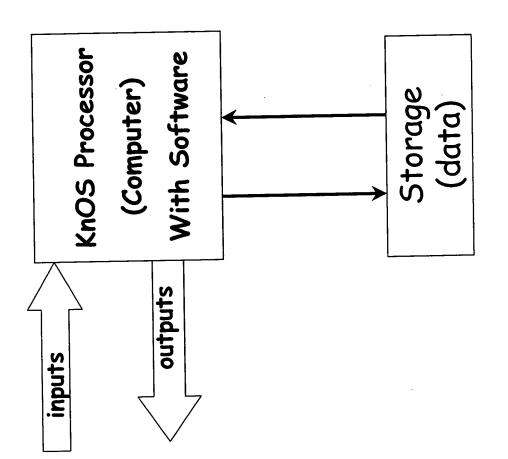


Figure 28

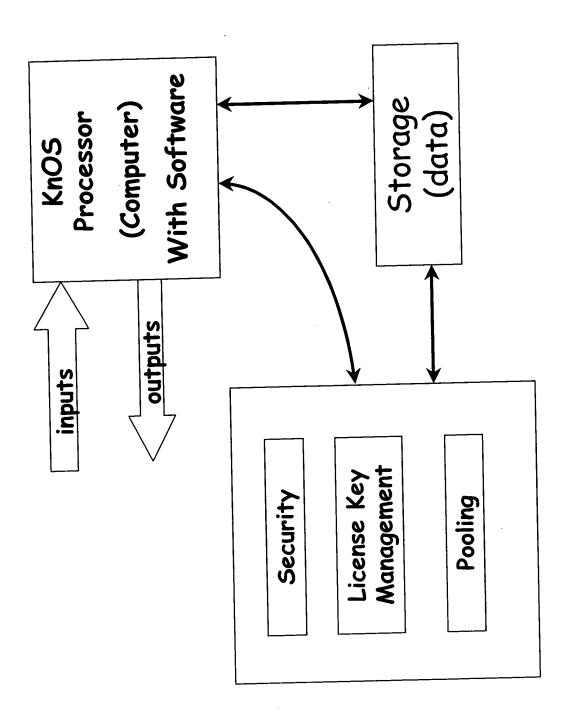
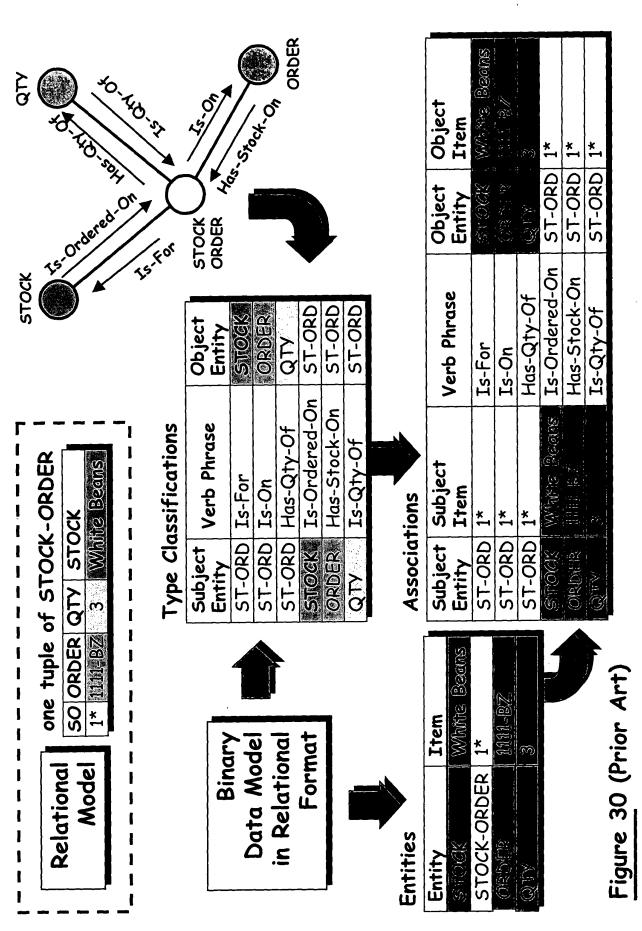


Figure 29



A Comparison of Compactness